



Pittsburg State University College of Technology Program Guide

Degree: Bachelor of Applied Science
Major: Technology (School of Construction)
Emphasis/Option: Environment and Safety Emphasis
Minor (if required):

As of Fall 2016

Business Support Courses

Business Courses

MGMKT 327: Management and Organizational Behavior	3
MGMKT 444: Legal and Social Environment of Business	3
MGMKT 629: Human Resources Management	3
or MGMKT 330: Principles of Marketing	3

Technical Courses

Environment and Safety Emphasis Courses

Workforce Development/Organization and

Leadership courses

TM 606: Industrial Supervision	3
CMCET 400: Cooperative Education (___)	3-6
TM 520: Leadership in the Workplace	3
ETECH 502: Engineering Economy	3
EST 396: Introduction to Construction Safety	3

or approved substitute safety course

CMCET 400 Cooperative Education must be taken for three hours.

Technical Specialization, Support and Electives

Construction Core Courses

CMCET 334: Methods of Construction-Sitework and Steel	3
CMCET 335: Methods of Construction-Concrete and Masonry	3
CMCET 434: Civil Construction	3

Technical Electives (Select 12 hours from below)

CMCET 330: Mechanical Systems (HVAC)	3
CMCET 331: Electrical Systems	3
CMCET 337: Construction Materials Testing and Inspection	2
CMCET 530: Construction Cost Management	3
CMCET 537: Construction Surveying I	3
CMCET 631: Construction Estimating I	3
CMCET 634: Construction Management	3
CMCET 635: Contract Administration	3
CMCET 639: Construction Estimating II	2

* CMCET 537 Requires Trigonometry

Environment and Safety Emphasis (Select 15 hours from below)

EST 204: Introduction to Fire Safety	3
EST 512: Risk Assessment	3
EST 514: Industrial Hygiene	3
EST 516: Hazardous Materials	3
EST 604: Occupational Health and Safety	3
EST 621: Ergonomics/Human Factors	3
EST 627: Modern Transportation Safety	3
EST 629: Legal Issues in Environmental Health and Safety	3
EST 630: Safety Management	3
TTED 308: Laboratory and Shop Safety	3

Electives (selected in consultation with advisor)**

Safety courses not taken to meet those credit hour requirements may be taken as Technical Electives.

EST 393: Introduction to Industrial Safety	3
and EST 403: Industrial Safety	3
or EST 396: Introduction to Construction Safety	3
and EST 496: Construction Safety	2
and EST 497: Construction Safety Laboratory	1

**Actual number of credit hours per program component area is dependent on coursework previously completed as part of AAS, individual's career goals, corporate partner requirements, and/or a combination of all these factors. All course selection decisions are made in consultation with academic advisor.

GENERAL EDUCATION REQUIREMENTS

Basic Skills

COMM	207	Speech Communication.....	3
ENGL	101	English Composition	3
ENGL	299	Introduction to Research Writing.....	3
OR ENGL	301	Technical/Professional Writing.....	3

COMM 207 as well as ENGL 301 can have other courses substituted in their place.

Behavioral, Social, History & Political Studies

PSYCH	155	General Psychology	3
or PSYCH	575	Industrial and Organization Psychology	3
SOC	100	Introduction to Sociology	3
or POLS	101	U.S. Politics	3
or HIST	201	American History to 1865	3
or GT	350	Technology and Civilization	3
or TM	350	Societal Influence of Technology	3
or Social Science and/or Political Studies Elective.....			3

Mathematics

MATH	113	College Algebra.....	3
or MATH	114	Elements of Technical Analysis	3
MATH	143	Elementary Statistics	3

MATH 114 as well as MATH 143 can be substituted by another mathematics course.

Sciences (Minimum of 6 hours)

BIOL	113	Environmental Life Science	4
PHYS	171	Physical Science	3
PHYS	172	Physical Science Laboratory.....	1

BIOL 113 can be substituted by another natural science course.

PHYS 171 can be substituted by another physical science course.

Producing and Consuming

ACCTG	201	Financial Accounting	3
or Approved business substitute.....			3

Fine Arts (Select one)

ART	178	Introduction to the Visual Arts.....	3
COMM	105	Performance Appreciation	3
COMM	205	Performance Studies	3
HHP	151	Dance Appreciation	3
MUSIC	120	Music Appreciation	3
Approved Humanities (e.g., Ethics)			3

Cultural Studies (Select one)

GEOG	300	Elements of Geography.....	3
GEOG	304	Human Geography	3
Approved elective from cultural studies			3

Notes

NOTE: The information contained herein is intended to be used for the planning of a student's academic program and does not constitute a contract. While this guide was prepared with the latest information, courses, graduation requirements, and curricula are subject to change.

When a student attains 85 semester hours of credit (including current enrollment) the student must apply for a degree check in the Office of the Registrar (Degree Checking Section), Room 102 Russ Hall.

MINIMUM GENERAL REQUIREMENTS: The minimum requirements for graduation include 124 semester hours of which 60 hours must be from a four year university. In addition, 45 semester hours must be upper division and 30 hours in residence at PSU (including 24 of the last 30). Minimum GPA for non-education degree is 2.0 overall [2.0 in major], secondary education degree is 2.5 overall [2.75 in major], and early/late childhood/unified degree is 2.80 overall [3.0 in major]. A minimum GPA of 2.0 in any minor and in residence coursework is required. General Education and all degree requirements are provided in the online catalog. Refer to individual departments for specific requirements.